

## U.S. PATENT DOCUMENTS

2009/0149783 A1\* 6/2009 Nef et al. .... 601/5

## OTHER PUBLICATIONS

H. Kazerooni et al, *That Which Does Not Stabilize, Will Only Make Us Stronger*, The International Journal of Robotics Research 2007, Jan. 2007, pp. 75-89, vol. 26, No. 1, Sage Publications.

Suwoong Lee et al, *Virtual impedance adjustment in unconstrained motion for an exoskeletal robot assisting the lower limb*, Advanced Robotics, Aug. 12, 2004, pp. 773-795, vol. 19, No. 7, VSP and Robotics Society of Japan.

Gabriel Aguirre-Ollinger et al, *Active-Impedance Control of a Lower-Limb Assistive Exoskeleton*, Proceedings of the 2007 IEEE 10<sup>th</sup> International Conference on Rehabilitation Robotics, Jun. 12-15, 2007, pp. 188-195.

Jerry E. Pratt et al, *The RoboKnee: An Exoskeleton for Enhancing Strength and Endurance During Walking*, Proceedings of the 2004 IEEE, International Conference on Robotics & Automation, Apr. 2004, pp. 2430-2435.

Kiyoshi Nagai et al, *Design of Robotic Orthosis Assisting Human Motion in Production Engineering and Human Care*, ICORR '99: International Conference on Rehabilitation Robotics, pp. 270-275.

Mitsunori Uemura et al, *Power Assist Systems based on Resonance of Passive Elements*, Proceedings of the 2006 IEEE/RSJ, International Conference on Intelligent Robots and Systems, Oct. 9-15, 2006, pp. 4316-4321.

Conor James Walsh et al, *Development of a lightweight, underactuated exoskeleton for load-carrying augmentation*, Proceedings of the 2006 IEEE International Conference on Robotics and Automation, May 2006, pp. 3485-3491.

PCT International Search Report and Written Opinion, PCT/US07/73093, Sep. 9, 2008, 10 Pages.

\* cited by examiner